

Comparisons of Job Characteristics

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Pipelayers (47-2151)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 85

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Pipelayers (47-2151)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	8.1	13.4	>> Current knowledge level is likely more than sufficient
Building and Construction	4.0	6.9	15.0	>> Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 87

Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073)

Associated Occupation: Pipelayers (47-2151)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	9.2	13.4	>> Skill level is likely more than sufficient
Operation Monitoring	6.6	9.1	10.0	0 Current skill level may be sufficient
Quality Control Analysis	5.9	8.2	7.5	0 Current skill level may be sufficient
Troubleshooting	4.5	7.5	6.6	< A higher skill level may be required
Repairing	3.4	7.3	6.4	< A higher skill level may be required
Equipment Maintenance	3.5	6.7	6.9	0 Current skill level may be sufficient
Equipment Selection	3.3	6.4	4.9	< A higher skill level may be required
Installation	1.7	3.7	1.6	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 86			
Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073) Associated Occupation: Pipelayers (47-2151)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	10.3	12.6	>	Current ability level is likely sufficient
Depth Perception	5.3	9.0	12.2	>>	Current ability level is likely more than sufficient
Extent Flexibility	4.8	8.5	7.2	<	Some improvement in abilities may be required
Stamina	4.0	6.8	3.9	<<	Extensive improvement in abilities may be required
Rate Control	3.8	6.6	8.6	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 77
Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073) Associated Occupation: Pipelayers (47-2151)		
Work Activities	Exclusivity of Activity	
Grade or redistribute earth for roads or other construction	87	
Operate power driven pumps	66	
Signal directions or warnings to coworkers	42	
Understand construction specifications	53	
Use hand or power tools	2	
Use measuring devices in construction or extraction work	41	

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 85	
Focus Occupation: Operating Engineers and Other Construction Equipment Operators (47-2073) Associated Occupation: Pipelayers (47-2151)			
Tools and Technologies			Exclusivity

Aerial lifts	13
Cleaning equipment	11
Compressors	9
Computers	1
Drilling and operation machinery	29
Earth moving machinery	11
Forming tools	2
Garden tools	12
Indicating and recording instruments	2
Length and thickness and distance measuring instruments	2
Lifting equipment and accessories	3
Machine tools	7
Measuring and layout tools	3
Metal bending and forming machinery	17
Pneumatic tools	8
Power generators	16
Power tools	2
Pumps	9
Soldering and brazing and welding machinery and supplies	6
Tool attachments and accessories	12
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.